A. Mature Tm 13.17 amino acid residue

```
  1  LTEAQIEKLN KISKKCQNES GVSQEIITKA RNGDWEDDPK LKRQVFCVAR
 51  NAGLATESGE VVVDVLREKV RKVTDNDEET EKIINKCAVK RDTVEETVFN
101  TFKCVMKNKP KFSPVD
```

B. Summary of the composition analysis for the mature Tm 13.17 sequence:

Residue	Number	Mole Percent
A = Ala	6	5.172
B = Asx	0	0.000
C = Cys	4	3.448
D = Asp	8	6.897
E = Glu	13	11.207
F = Phe	4	3.448
G = Gly	4	3.448
H = His	0	0.000
I = Ile	6	5.172
K =Lys	16	13.793
L = Leu	5	4.310
M = Met	1	0.862
N = Asn	8	6.897
P = Pro	3	2.586
Q = Gln	4	3.448
R = Arg	6	5.172
S = Ser	5	4.310
T = Thr	8	6.897
V =Val	14	12.069
W = Trp	1	0.862
Y = Tyr	0	0.000
Z = Glx	0	0.000

Molecular weight = 13171.96; Residues = 116; Average Residue Weight = 113.551

Charge = 1; Isoelectric point = 7.74.

FIG 2.6c

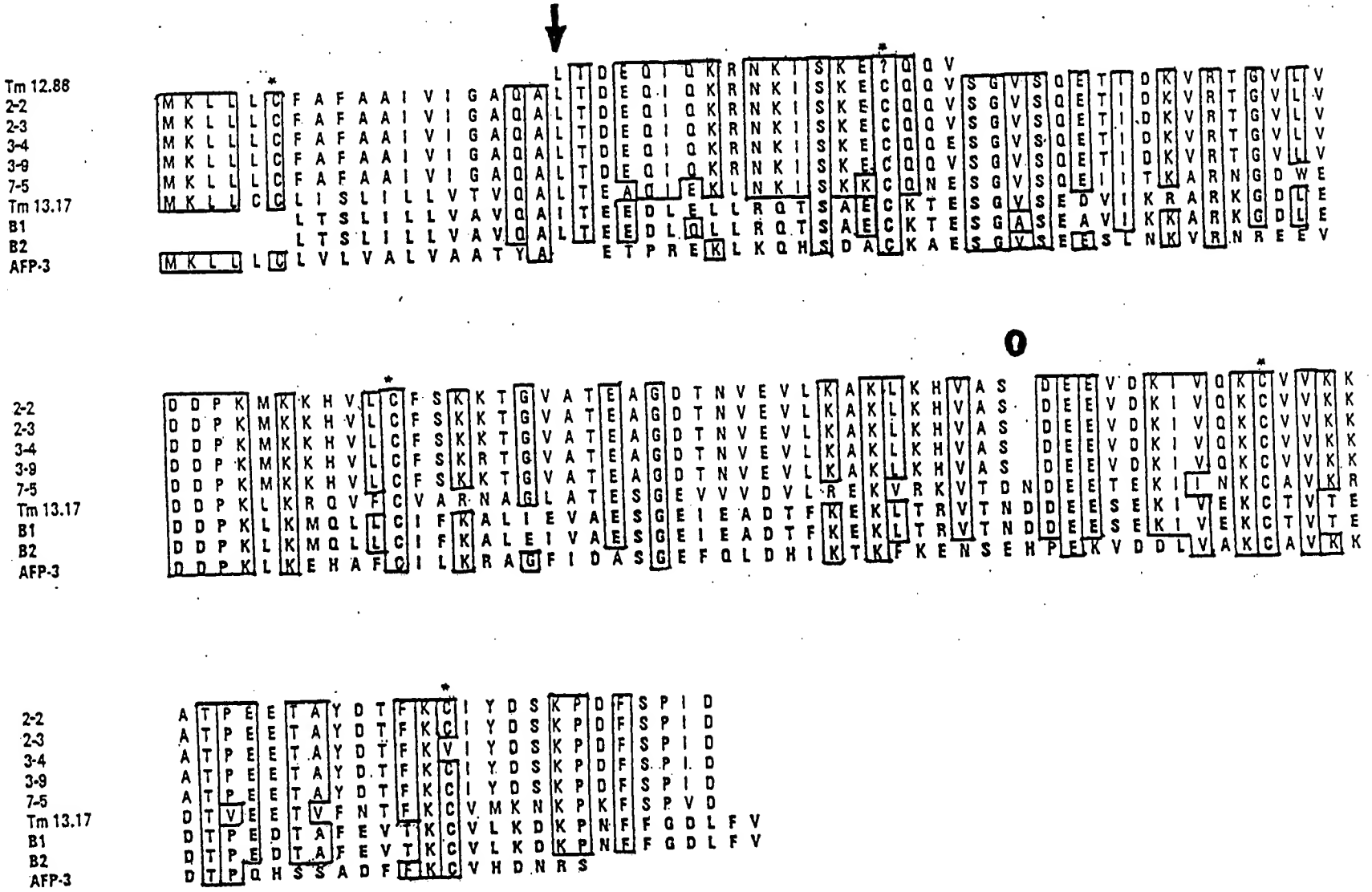

Fig. 4.16

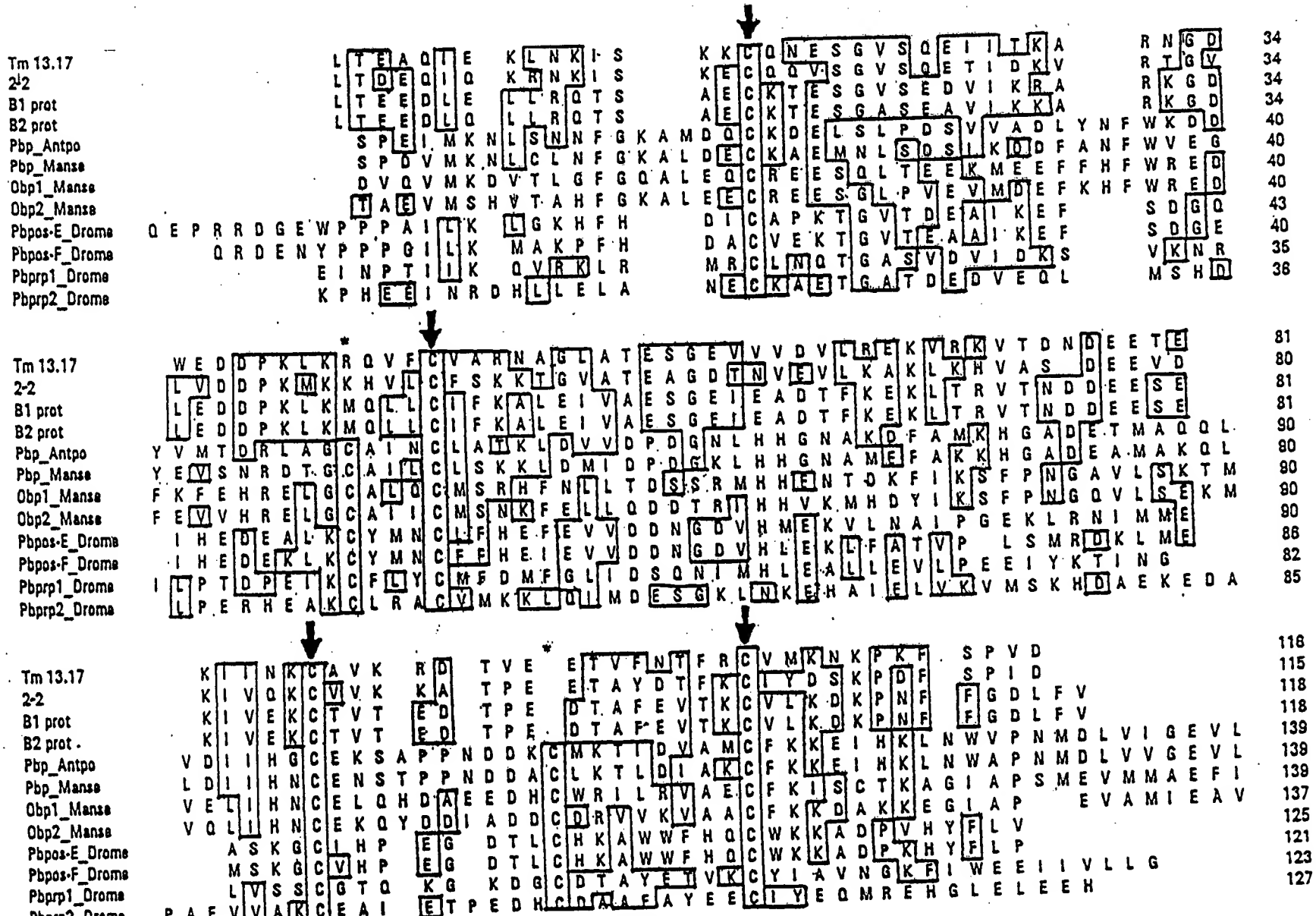
Tm 13.17
2-2
B1 prot
B2 prot
Pbp_Antpo
Pbp_Manse
Obp1_Manse
Obp2_Manse
Pbpos-E_Drome
Pbpos-F_Drome
Pbprp1_Drome
Pbprp2_Drome

Fig. 4.17

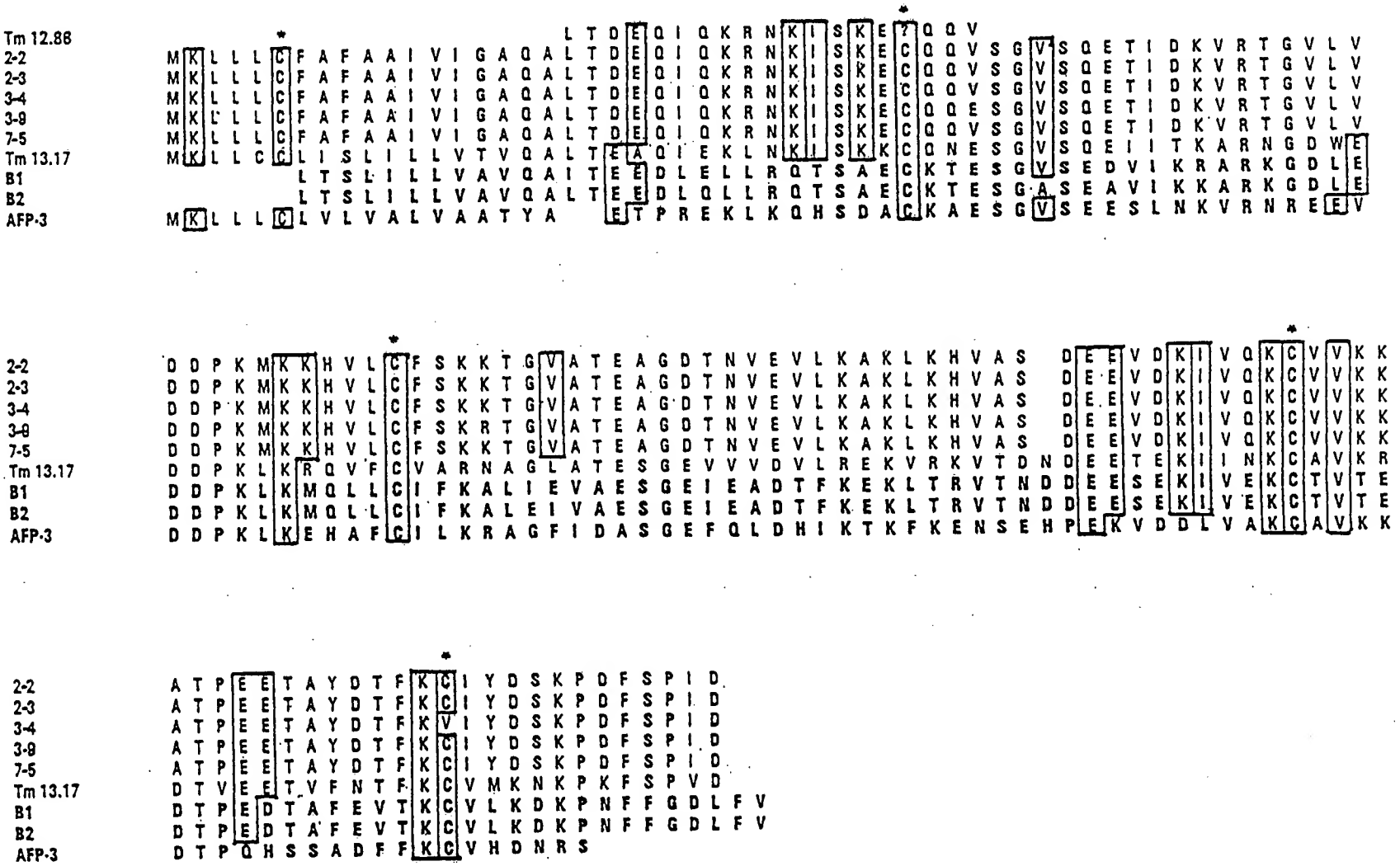

Fig. 4.18

DNA sequence of Tm 13.17 cDNA clone

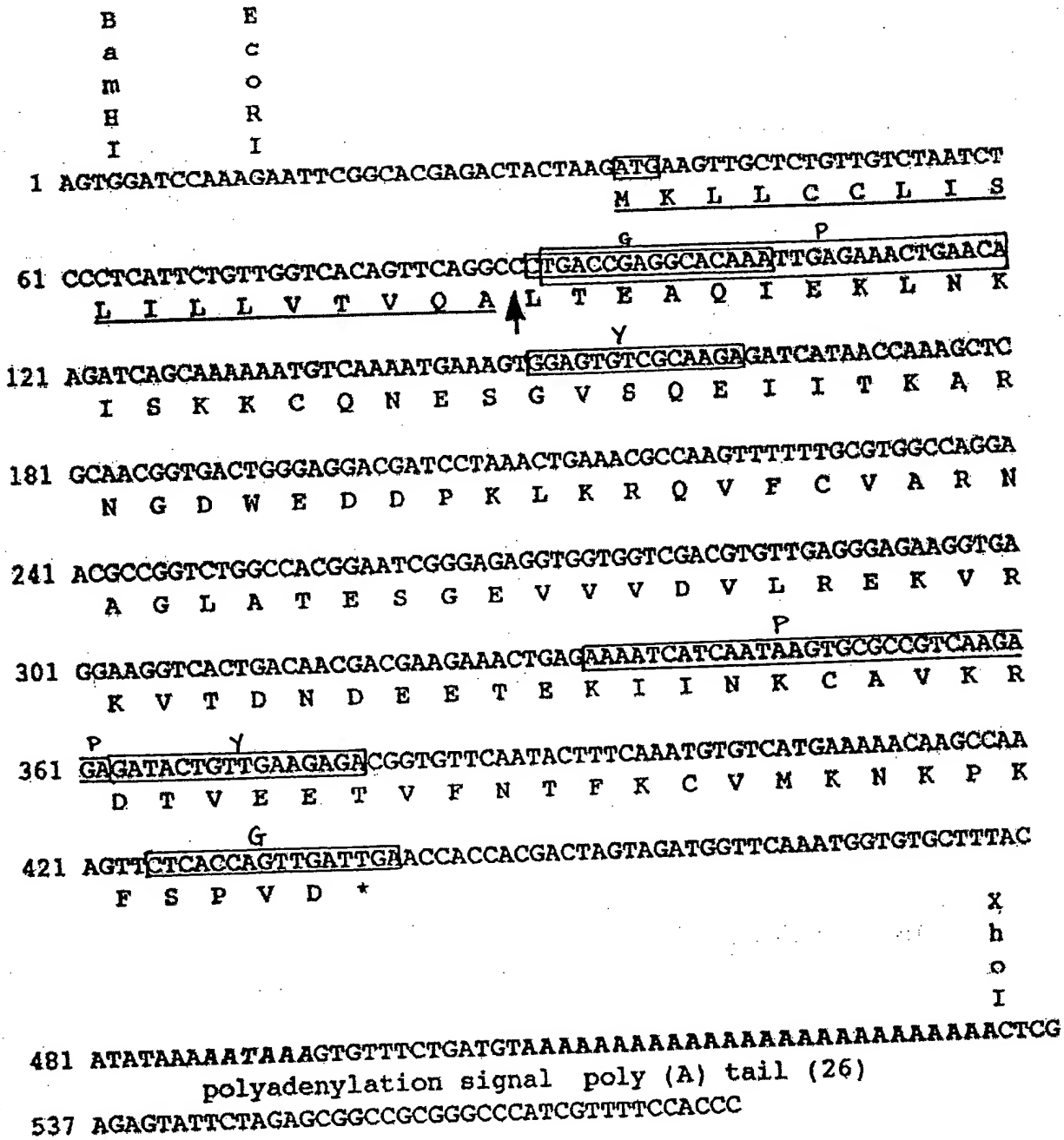

Fig. 8.43

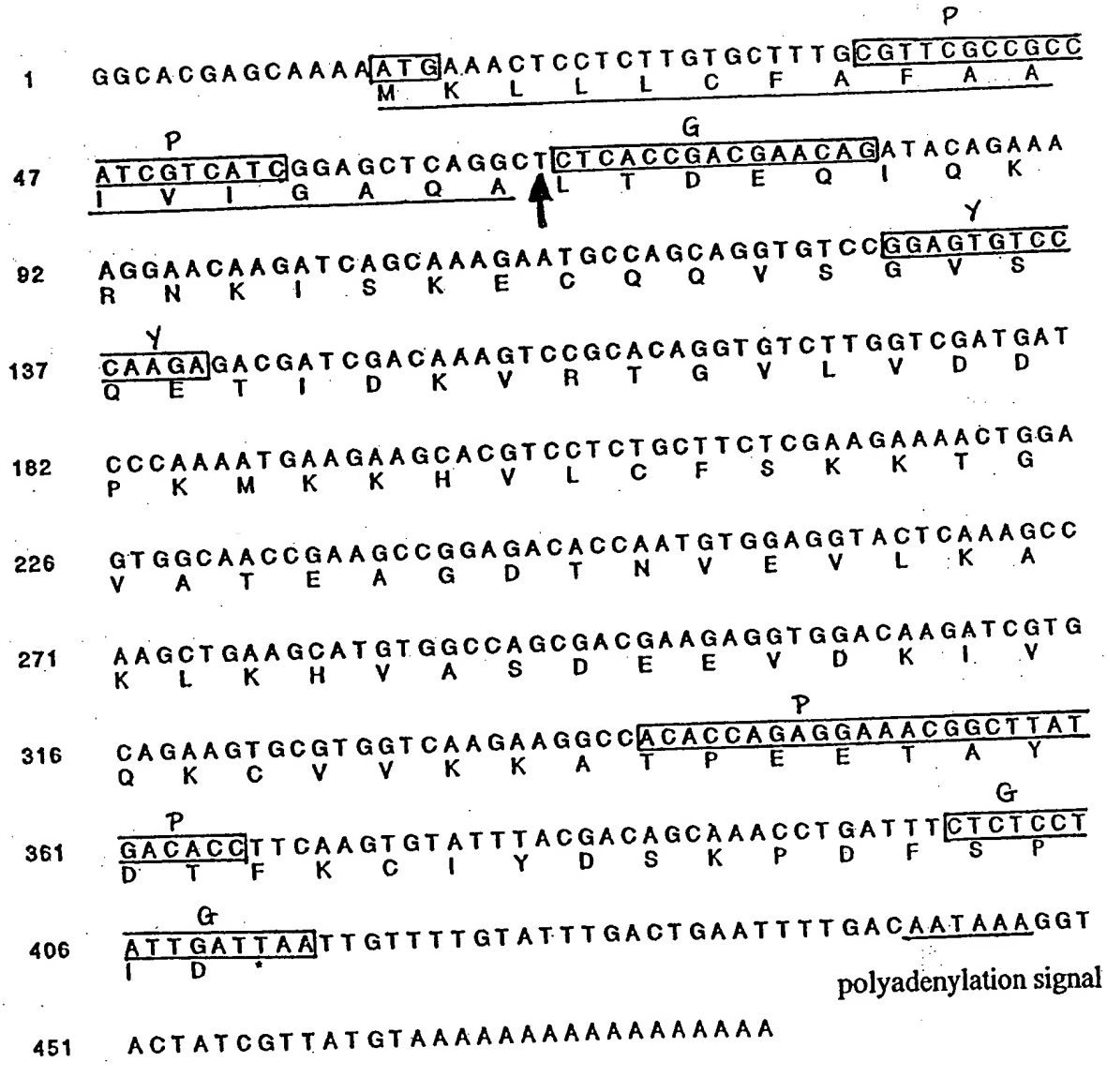
1 GGCACGAGCAAAA ATG AAACTCCTCTTGTGCTTTG CGTTCGCCGCC
M K L L L C F A F A A
47 ATCGTCATC GGAGCTCAGGCT CTCACCGACGAACAG ATACAGAAA
I V I G A Q A L T D E Q I Q K
92 AGGAACAAGATCAGCAAAGAATGCCAGCAGGTGTCC GGAGTGTCC
R N K I S K E C Q Q V S G V S
137 CAAGA GACGATCGACAAAGTCCGCACAGGTGTCTTGGTCGATGAT
Q E T I D K V R T G V L V D D
182 CCCAAAATGAAGAAGCACGTCCTCTGCTTCTCGAAGAAAACTGGA
P K M K K H V L C F S K K T G
226 GTGGCAACCGAAGCCGGAGACACCAATGTGGAGGTACTCAAAGCC
V A T E A G D T N V E V L K A
271 AAGCTGAAGCATGTGGCCAGCGACGAAGAGGTGGACAAGATCGTG
K L K H V A S D E E V D K I V
316 CAGAAGTGCGTGGTCAAGAAGGCC ACACCAGAGGAAAACGGCTTAT
Q K C V V K K A T P E E T A Y
361 GACACC TTCAAGTGTATTTACGACAGCAAACCTGATTT CTCTCCT
D T F K C I Y D S K P D F S P
406 ATTGATTAA TTGTTTTGTATTTGACTGAATTTTGAC AATAAAGGT
I D *
polyadenylation signal
451 ACTATCGTTATGTAAAAAAAAAAAAAAAA
poly (A) tail

Fig. 8.44